

UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Bickford, Randall L.

SERIAL NO.: 10/600,224

FILED: June 20, 2003

FOR: Surveillance System and
Method having Parameter
Estimation and Operating
Mode Partitioning

ART UNIT: 2121

EXAMINER: Not Yet Assigned

To: Commissioner For Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
BEFORE MAILING OF FIRST OFFICE ACTION UNDER 37 CFR 1.97(b)**

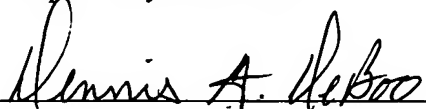
The patents and publications listed on the appended PTO/SB/08A form (Substitute for form 1449A/PTO) reflect the state of the art of which applicant is currently aware. These references are included to fulfill the applicant's duty to disclose prior art. It is stipulated, however, that none of these references teach singly, nor render obvious when combined, the nexus of this invention as disclosed and as particularly claimed.

**IDENTIFICATION OF TIME OF FILING THE
ACCOMPANYING INFORMATION DISCLOSURE STATEMENT**

This information disclosure statement, including the attachments submitted herewith, are being filed before the mailing date of a first Office Action on the merits.

Dated: January 6, 2004

Respectfully Submitted:



Dennis A. DeBoo

Telephone: (916) 449-3983

Registration No.: 42,471

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Complete if Known

Application Number	10/600,224
Filing Date	6/20/2003
First Named Inventor	Bickford, Randall L.
Group Art Unit	2121
Examiner Name	Not yet Assigned
Attorney Docket Number	23404-cpa

(use as many sheets as necessary)

Sheet 1 of 6



U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	1	4,295,128		Hashemian et al.	10-13-1981	
	2	4,478,783		Broadwater	10-23-1984	
	3	4,761,748		Le Rat et al.	08-02-1988	
	4	4,937,763		Mott	06-26-1990	
	5	4,975,968		Yukl, Tex	12-04-1990	
	6	5,009,833		Takeuchi et al.	04-23-1991	
	7	5,223,207		Gross et al.	06-29-1993	
	8	5,274,572		O'Neil et al.	12-28-1993	
	9	5,381,140		Kuroda, et al.	01-10-1995	
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	11	5,402,521		Niida et al.	03-28-1995	
	12	5,410,492		Gross et al.	04-25-1995	
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	14	5,465,321		Smyth	11-07-1995	
	15	5,506,794		Lange	04-09-1996	
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	19	5,661,735		Fischer	08-26-1997	
	20	5,680,409		Qin et al.	10-21-1997	

FOREIGN PATENT DOCUMENTS

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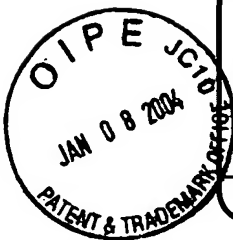
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Sheet	2	of	6
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		Number	Kind Code ² (if known)			
	21	5,706,321		Chen et al.	06-06-1998	
	22	5,740,033		Wassick et al.	04-14-1998	
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	34	6,073,262		Larkin, et al.	06-06-2000	

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Sheet 3 of 6

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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	35	BICKFORD, R.L., Phase Partitioning the Multivariate State Estimation Technique (MSET) Process for Improved Parameter Estimation Performance and Processing Speed, New Technology Report, January 13, 2000, Printed in USA by Expert Microsystems, Inc.	
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Sheet 4 of 6

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
✓	46	BICKFORD, R.L., et al, Real-Time Space Shuttle Main Engine Sensor Validation, National Aeronautics and Space Administration, August 1995, Printed in USA by ExperTech & Intelligent Software Associates, Inc.	
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Sheet 5

of 6

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First Named Inventor

Bickford, Randall L.

Group Art Unit

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✓	64	MIRON, A., et al, The Effects of Parameter Variation on MSET Models of the Crystal River-3 Feedwater Flow System, ANS Annual Meeting, June 1998, Printed in USA by Argonne National Laboratory	
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